

New York State Energy Research and Development Authority

Green Jobs – Green New York October 2016 Monthly Update

Period ending October 31, 2016

Table of Contents

1	Workforce Development	2
1.1	Training Program Updates	2
2	Outreach and Events	3
2.1	Outreach Activities	3
	One- to Four-Family Residential Buildings Program	6
3.1	Home Performance with ENERGY STAR® Assessments	6
3.2	Home Performance with ENERGY STAR® Projects	8
3.3	One- to Four-Family Residential Buildings Financing.....	10
3	Multifamily Energy Performance Portfolio	16
4.1	Multifamily Energy Performance Assessments	16
4.2	Multifamily Energy Performance Projects	17
4.3	Multifamily Energy Performance Financing	18
5	Small Commercial Energy Efficiency Program	19
5.1	Small Commercial Energy Efficiency Assessments	19
5.3	Small Commercial Energy Efficiency Financing	20
6	Evaluation	21
	Evaluation Activities Currently Underway	21

List of Figures

Figure 2-1. CBO Monthly Percentage of Overall GJGNY Completed Assessments, Quarterly.....	3
Figure 2-2. CBO Percentage of Monthly GJGNY Unit Completions, Quarterly.....	3
Figure 2-3. Percentage of CBO-initiated Projects that are Assisted Customers, Quarterly.....	4
Figure 3-1. Home Performance with ENERGY STAR Completions, Quarterly.....	9
Figure 3-2. Green Jobs-Green New York Financing Loans Issued by Type, Quarterly	12
Figure 3-3. Green Jobs-Green New York Financing Loans Issued by Tier, Quarterly	13
Figure 3-4. Green Jobs-Green New York Financing Loans Denied, Quarterly	13
Figure 3-5. Green Jobs-Green New York Financing Loans Denied for Debt-to-Income Ratio, by Region	14
Figure 3-6. Green Jobs-Green New York Financing Percentage by Applications Denied, Comparative by Quarter	15

List of Tables

Table 3-1. Home Performance with ENERGY STAR Assessments	7
Table 3-2. Home Performance with ENERGY STAR Projects	8
Table 3-3. One- to Four-Family Residential Buildings Financing Details.....	11
Table 3-4. Green Jobs-Green New York Financing Summary.....	12
Table 4-1. Multifamily Energy Performance Assessments.....	16
Table 4-2. Multifamily Energy Performance Project.....	17
Table 4-3. Multifamily Energy Performance Financing.....	18
Table 5-1. Small Commercial Energy Efficiency Assessments	19
Table 5-2. Small Commercial Energy Efficiency Projects.....	20
Table 5-3. Small Commercial Energy Efficiency Financing	20

Program Description

Green Jobs – Green New York (GJGNY) provides funding for energy assessments, low-cost financing for energy upgrades, and technical and financial support to develop a clean energy workforce. GJGNY is a statewide effort to strengthen communities through energy efficiency and uses constituency-based organizations to support program outreach in underserved communities. GJGNY enables New Yorkers to make a significant difference in homes, businesses and neighborhoods—making them more comfortable, more sustainable, and more economically sound. GJGNY is administered by NYSERDA and made available by the [Green Jobs – Green New York Act of 2009](#).

1 Workforce Development

GJGNY supports a broad range of education and training programs aimed at creating an experienced green collar workforce. This workforce will have the relevant skills and credentials needed to support New York State’s growing clean energy economy. The workforce training programs help meet the demand for energy efficiency and renewable energy measures and technologies. Through public-private partnerships, Workforce Development Programs fund the development and delivery of cutting-edge training programs, and provide financial support to those who wish to pursue new career training, professional certifications and critical on-the-job training.

1.1 Training Program Updates

Clean Energy Technical Training

Through October 2016, NYSERDA’s GJGNY training partners trained over 3,836 individuals in courses including solar thermal installation, introductory photovoltaic training, advanced air sealing, pressure diagnostics, BPI Basic Air Sealing and Insulation, oilheat technology, and thermography. The vast majority of NYSERDA’s GJGNY-funded training partnership agreements concluded by December 31, 2015 with just one remaining training contract continuing through 2016. SUNY Ulster will continue to deliver energy efficiency training through December 2016.

2 Outreach and Events

GJGNY Outreach and Marketing provides for community-based outreach, enabling one-on-one assistance with the process of participating in the GJGNY Program. This, combined with both print and electronic statewide marketing initiatives, increases the reach of the program, particularly among disadvantaged populations and those not traditionally participating in energy-efficiency programs.

2.1 Outreach Activities

Constituency-based organizations (CBOs) continue to assist customers to access the Home Performance with ENERGY STAR program (HPwES) offered through Green Jobs-Green New York. Through October 2016, CBOs are responsible for 7,041 completed assessments resulting in 2,258 completed retrofits. Approximately 56 percent of those retrofits were for Assisted HPwES customers who have a household income of up to 80 percent of the county median income, which is the target market for CBOs. The remaining customers reached by CBOs are higher income households.

Figure 2-1. CBO Percentage of GJGNY Completed Assessments.

Figure 2-1 provides percentages of GJGNY residential assessment completions by quarter that were initiated by CBOs versus other sources, such as home performance contractors or online searches.

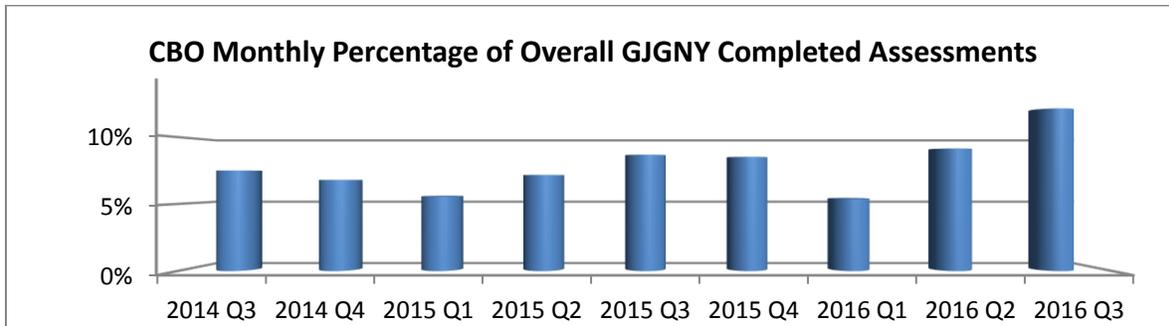


Figure 2-2. CBO Percentage of GJGNY Unit Completions.

Figure 2-2 provides percentages of project (by number of units) completions by quarter that were initiated by CBOs.

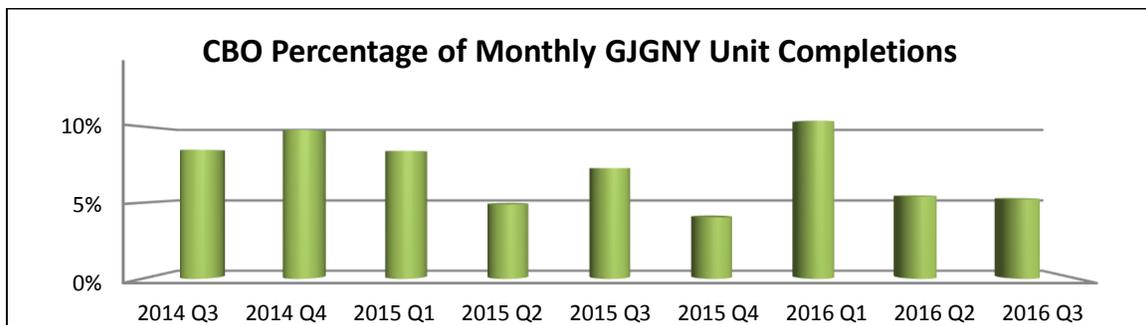
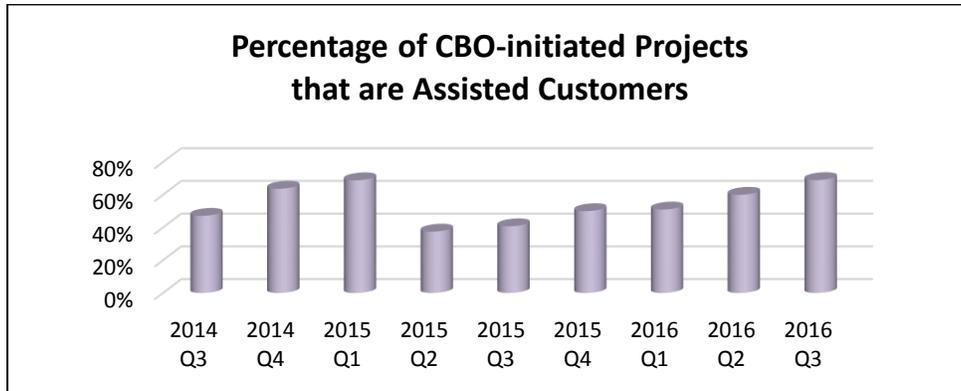


Figure 2-3. Percentage of CBO-initiated Projects that are for Assisted Customers.

Figure 2-3 provides percentages of CBO-initiated project completions for Assisted Home Performance customers by quarter.



CBO Events

CBOs participated in several events and meetings throughout the month of October, providing program information to a variety of audiences across the state. Affordable Housing Partnership conducted five outreach sessions at various community gatherings throughout the Capital Region, including three employee benefit fairs for Albany County. On Long Island, Long Island Progressive Coalition and its PowerUp Communities staff are preparing for the transition away from the NYSERDA HPwES program to the similar PSEG offerings in early 2017. El Puente conducted outreach at the Brooklyn Baby Fest in addition to a Con Edison advocacy conference in early October. Both events were well attended. The EnergyWise team at Neighborhood Housing Services of Staten Island attended three events in Richmond County, generating twenty leads at the various workshops and fairs. In the borough of Queens, Neighborhood Housing Service of Jamaica hosted a breakfast presentation and workshop with local participating HPwES contractors and performed outreach at eight separate community events throughout the month. Public Policy and Education Fund performed outreach at the BAE Systems Energy Day in Endicott, yielding a number of interested homeowners and completed HPwES applications.

In recent weeks, PathStone has taken initial steps towards creating an aggregation pilot in coordination with the City of Rochester. The CBO has arranged for its in-house workforce development counselors, in addition to the Office of Sustainability for the City of Rochester and the Rochester People’s Climate Coalition, to participate in this initiative. They have identified four participating HPwES contractors that have expressed an interest in joining the aggregation pilot and will recruit additional firms as development continues.

Adirondack North Country Association continues its work on the Akwesasne housing efficiency retrofit project. The CBO hopes to retrofit fifty townhomes with the help of NYSERDA programs. As it has in past months, Affordable Housing Partnership continues to gather leads through its homeownership informational website. Sustainable South Bronx continues its support and outreach within the Shorehaven condo development, helping to user one additional project forward to contractual approval.

Monthly CBO Downstate Convening

The monthly CBO Downstate Convening was held on October 19, 2016 at NYSERDA’s New York City office. Topics included: an overview of the Home Energy Assistance Program guidelines for the approaching heating season, a presentation on social media from NYSERDA’s Social Media Manager, and discussion among the CBOs regarding outreach endeavors.

One- to Four-Family Residential Buildings Program

GJGNY provides home assessments and financing to support energy efficiency and renewable energy improvements to one-to-four family homes.

NYSERDA's Home Performance with ENERGY STAR® (HPwES) program offers homeowners in New York State a comprehensive approach to improving energy efficiency and home comfort while saving money. Participating Building Performance Institute (BPI) Gold Star contractors conduct energy assessments and upgrades. Income-qualified homeowners are eligible for additional incentives to make energy improvements.

The GJGNY loan also supports deployment of solar photovoltaic (PV) through the NY-Sun program, solar thermal (hot water) systems, and certain wood and pellet stove replacements through Renewable Heat NY.

3.1 Home Performance with ENERGY STAR® Assessments

Through October 2016, from the 133,643 approved assessment applications, 96,972 (73 percent) assessments have been completed. In the month of October, 1,542 free/reduced-cost comprehensive home energy assessment applications were received. The Program-to-date conversion rate from assessment to energy retrofit is 30 percent. The conversion rate for the period between October 2015 and October 2016 was a robust 42 percent. The average cycle time between assessment completion to project completion is 106 days.

Table 3-1. Home Performance with ENERGY STAR Assessments.

Table 3-1 provides HPwES monthly and cumulative assessment figures.

Timeframe	CBO Initiated since 11/1/11 ^a	GJGNY Totals since 11/15/10 ^b	
Received Audit Applications			
October	134	1,542	
Program to Date	10,835	139,779	
Average # of Applications Received per Month	178	1,955	
Approved Audit Applications			
Free			
October	145	1,529	
Program to Date	10,468	123,708	
Reduced Cost			
October	5	103	
Program to Date	580	9,935	
Total Approved Audit Applications	11,048	133,643	
Average # of Applications Approved Per Month	181	1,869	
Scheduled Audits			
Scheduled Audits as of End of Current Month		5,764	
Completed Audits			
Goal: (77,500-Audits)	Free		
	October	63	327
	Program to Date	6,658	89,999
	Reduced Cost		
	October	1	7
	Program to Date	383	6,973
Total Completed Audits	7,041	96,972	
Audit Funds Invoiced to Date		\$25,151,050.00	
^a Round 2 CBO production as of 6/1/2012. ^b GJGNY totals since 11/15/10 are inclusive of CBO initiated activities.			

3.2 Home Performance with ENERGY STAR® Projects

Of the 29,612 projects completed through HPwES resulting from a GJGNY assessment and/or GJGNY financing, 9,909 (33 percent) projects are associated with income-qualified customers who have a household income of up to 80 percent of the county median income.

In October 2016, there were 598 HPwES project completions, of which 533 (89 percent) were associated with a GJGNY assessment or loan. Forty percent of the August GJGNY HPwES project completions were for income-qualified customers who have a household income of up to 80 percent of the state or county median income.

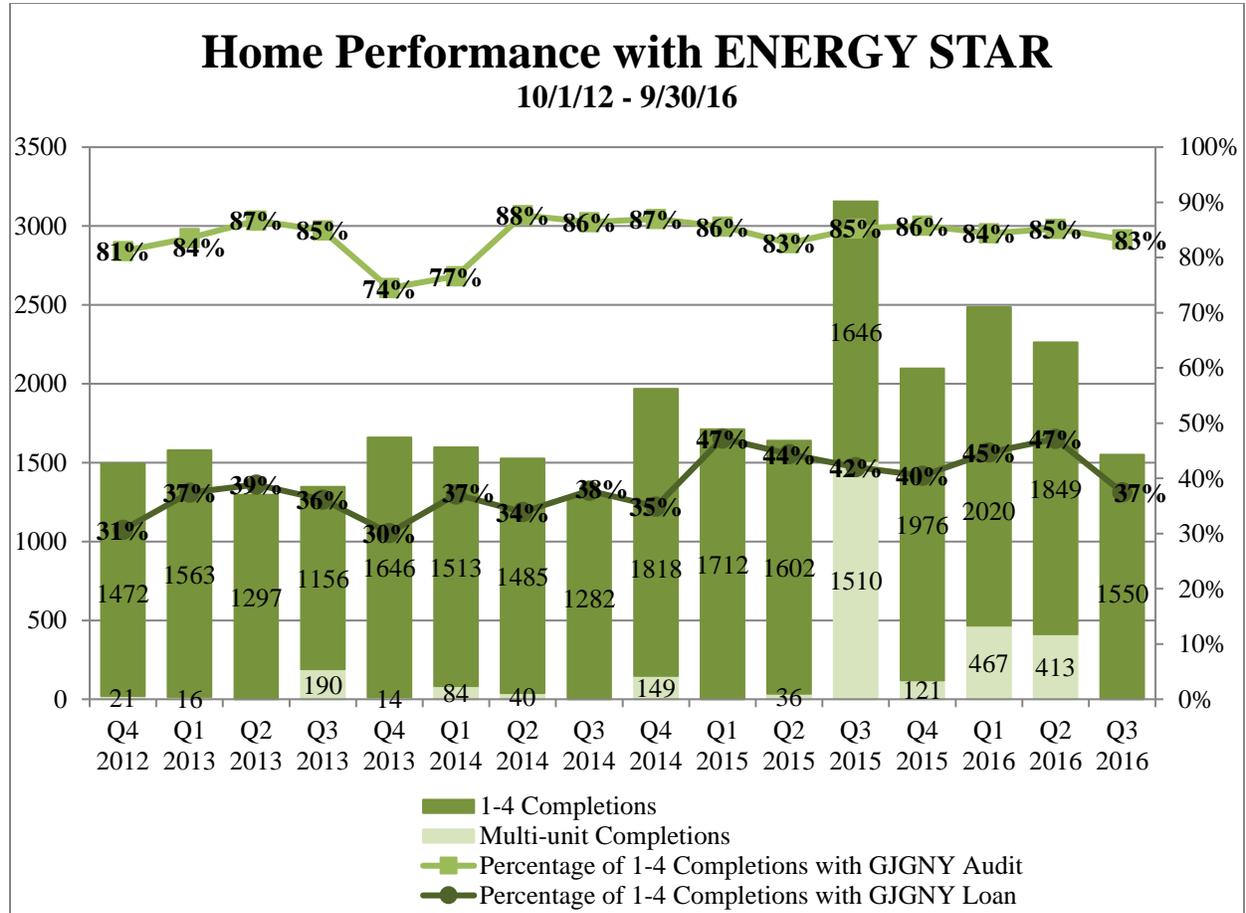
Table 3-2. Home Performance with ENERGY STAR Projects.

Table 3-2 provides HPwES monthly and cumulative project figures.

Timeframe	CBO Initiated since 11/1/11	GJGNY Totals since 11/15/10 ^a	HPwES Totals since 11/15/10 ^b
Projects Contracted			
To Date	2,374	28,837	NA
Completed Projects/Units^c			
Assisted			
October	3 / 8	214 / 216	245 / 248
Program to Date	1065 / 1263	9,909 / 10,346	16,679 / 17,305
Market Rate			
October	5 / 5	319 / 321	353 / 355
Program to Date	1082 / 995	19,703 / 19,905	24,924 / 25,189
Total Completed Projects/Units (Project Goal: 25,000)	2147 / 2258	29,612 / 30,251	41,603 / 42,494
^a Projects completed resulting from a GJGNY Audit and/or GJGNY Financing. ^b Total HPwES including GJGNY Projects. ^c Projects completed and units served resulting from GJGNY.			

Figure 3-1. Home Performance with ENERGY STAR Completions, Quarterly.

Figure 3-1 illustrates trends in HPwES project completions associated with GJGNY assessments or loans, by quarter.



3.3 One- to Four-Family Residential Buildings Financing

GJGNY provides two loan options for consumers: On-Bill Recovery (OBR) loans, which enable customers to make payments through their utility bills; and Smart Energy loans, unsecured loans that are paid back directly to NYSERDA's loan servicing contractor. Both loans offer expanded credit qualification criteria (Tier 2) enabling some applicants who would not qualify for a loan based on more traditional criteria (Tier 1) to qualify for GJGNY loans.

As of October 31, 2016, 17,690 Residential GJGNY Loans have closed to date, comprising of 12,373 Home Performance with Energy Star® (HPwES) loans, 5,298 Photovoltaic (PV) loans, 10 Solar Thermal (ST) loans and 9 Renewable Heat NY (RHNY) loans. Of the 17,690 total loans closed, 15.6 percent are Tier 2 customers, representing 15.2 percent of the total funds, while 84.4 percent are Tier 1 customers representing 84.8 percent of the funds.

Of the 12,373 HPwES loans closed to date, 32.0 percent are for Assisted HPwES customers, representing 23.9 percent of the total funds; while 68.0 percent are for Market Rate customers representing 76.1 percent of the total funds; 16.3 percent are Tier 2 customers, representing 15.6 percent of the total funds, while 83.7 percent are Tier 1 customers representing 84.4 percent of the funds. Of the loans closed for Assisted HPwES customers, 71.3 percent are Tier 1 loans, while 28.7 percent are Tier 2.

Since the launch of On-Bill Recovery, 25.6 percent of the Assisted HPwES customers who access financing use OBR Loans, while 33.1 percent of the Market Rate HPwES customers who access financing use OBR Loans; 26.4 percent of Tier 2 customers use OBR Loans while 31.5 percent of Tier 1 customers use OBR Loans.

NYSERDA GJGN Y Monthly Update – October 2016

Table 3-3. Green Jobs–Green New York Financing Details.

Table 3-3 provides cumulative details of the Green Jobs–Green New York financing program. EE= energy efficiency only. PV = PV only. EE & PV = a loan incorporating both energy efficiency and PV. RH = renewable heat (pellet or wood stoves).

GJGN Y Loan Type	Applications Received (Number)	Applications Approved (Number)	Loans Closed (Number)	Loans Closed (Dollars)	Loans Awaiting Closing (Number)	Loans Awaiting Closing (Dollars)
EE Smart Energy Loan	17,617	12,099	8,909	\$82,682,115	568	\$5,277,068
EE On-Bill Recovery Loan	9,847	5,922	3,464	\$38,793,991	113	\$2,556,554
Total	27,464	18,021	12,373	\$121,476,106	681	\$7,833,621
PV Smart Energy Loan	3,974	3,435	2,535	\$42,428,215	334	\$5,484,699
PV On-Bill Recovery Loan	5,387	4,141	2,737	\$47,328,528	427	\$7,288,883
Total	9,361	7,576	5,272	\$89,756,743	761	\$12,773,582
EE & PV Smart Energy Loan	84	43	20	\$364,152	5	\$68,296
EE & PV On-Bill Recovery Loan	189	70	6	\$126,200	3	\$55,136
Total	273	113	26	\$490,352	8	\$123,433
RHNY Smart Energy Loan	19	12	8	\$137,399	0	\$0
RHNY On-Bill Recovery Loan	8	5	1	\$13,445	0	\$0
Total	27	17	9	\$150,844	0	\$0
ST Smart Energy Loan	12	12	9	64,039	0	0
ST On-Bill Recovery Loan	2	2	1	4,830	1	6,680
Total	14	14	10	\$68,869	1	\$6,680
Grand Total	37,139	25,741	17,690	\$211,942,914	1,451	\$20,737,316

Table 3-4. Green Jobs–Green New York Financing Summary.

Table 3-4 provides a cumulative summary of Smart Energy Loan and On-Bill Recovery Loan activity.

Smart Energy			On-Bill Recovery	
Tier 1	Tier 2		Tier 1	Tier 2
9,611	1870	Loans Closed	5,312	897
\$105,871,216	\$19,804,704	Value	\$73,955,990	\$12,311,005
\$11,016	\$10,591	Average Loan	\$13,922	\$13,725
13.3 Years	14 Years	Average Term	14.7 Years	14.7 Years
N/A	N/A	2.99%	15.63%	10.59%
85.41%	82.83%	3.49%	84.38%	89.41%
14.59%	17.11%	3.99%	N/A	N/A
0.00%	0.05%	5.49%	0.00%	0.00%
78.45%		Approval Rate*	74.80%	
14.72%		Denial Rate*	19.09%	
6.82%		Denied Tier 1, didn't pursue Tier 2*	6.11%	

* Does not include applications pending review or withdrawn.

Figure 3-2. Green Jobs–Green New York Financing Loans Issued by Type, Quarterly.

Figure 3-2 illustrates the rate of loans issued for GJGNY Smart Energy Loans and GJGNY On-Bill Recovery Loans, by quarter.

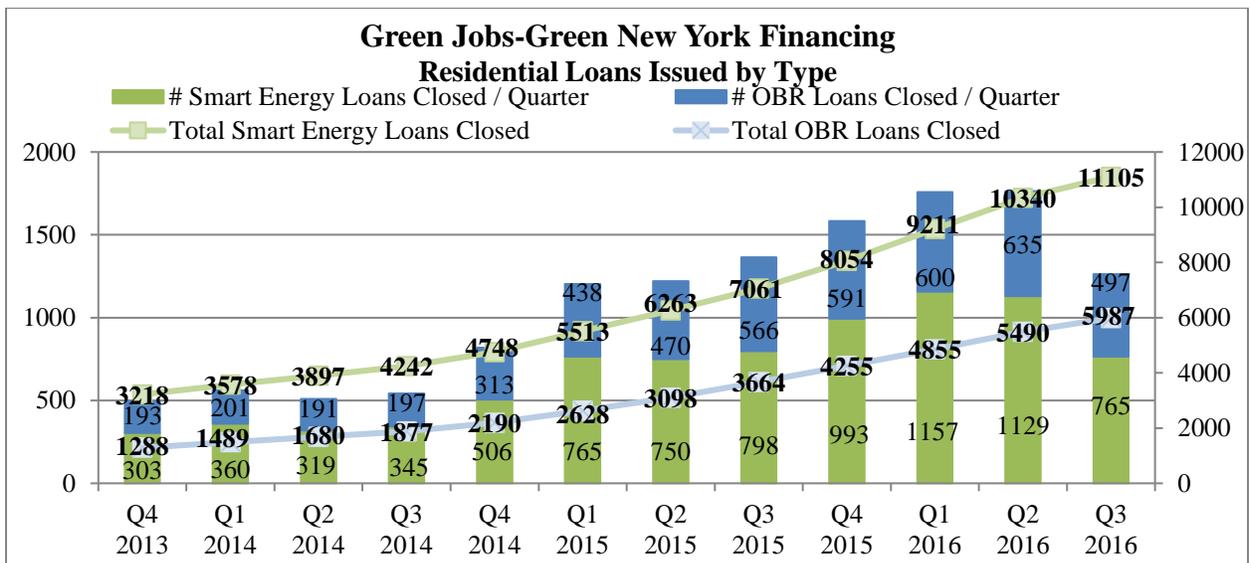


Figure 3-3. Green Jobs–Green New York Financing Loans Issued by Tier, Quarterly.

Figure 3-3 illustrates trends in GJGNY loans issued, distinguished between Tier 1 and Tier 2 loans, by quarter.

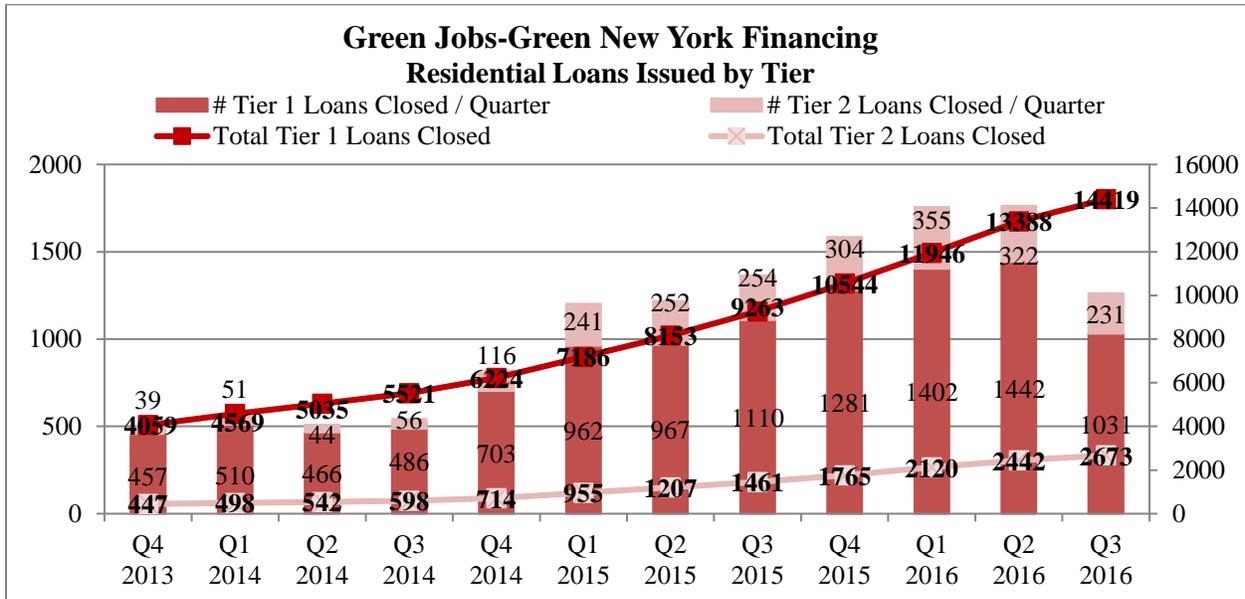


Figure 3-4. Green Jobs–Green New York Financing Loans Denied, Quarterly.

Figure 3-4 illustrates trends in GJGNY loan denials, by quarter.

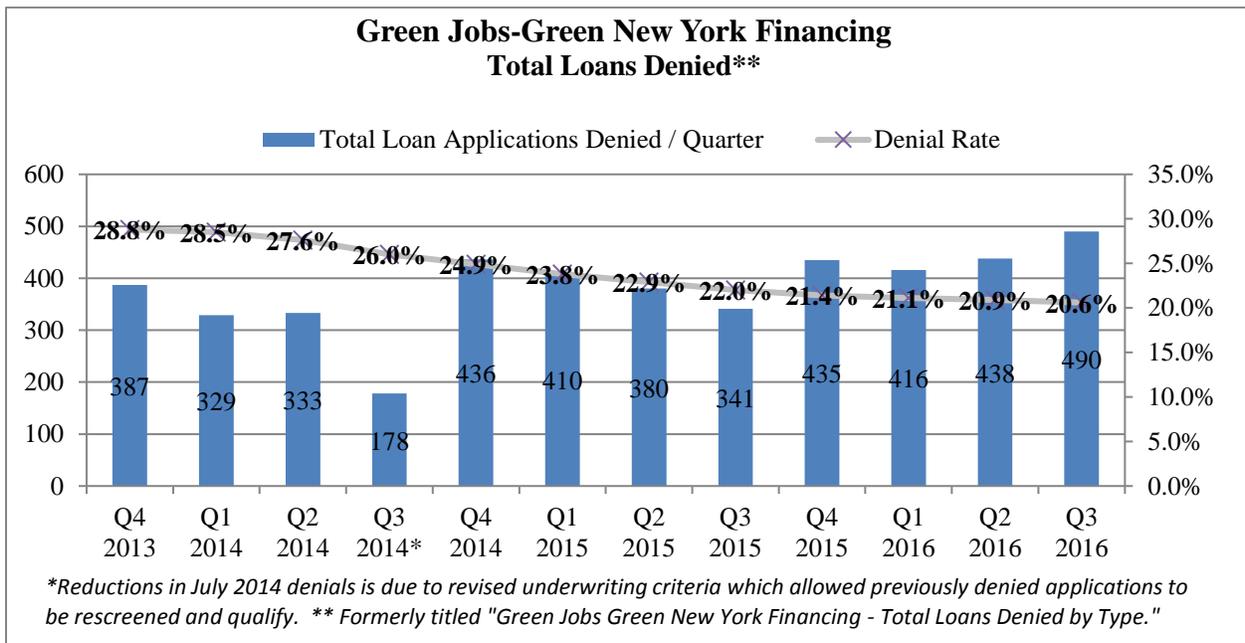


Figure 3-5. Green Jobs–Green New York Financing Loans Denied for Debt-to-Income Ratio, by Region.

Figure 3-5 illustrates regional differentiation for received GJGNY loan applications and loan denial rates. Over time, the loan denial rate, due to debt-to-income ratio, across all regions has dropped from 39.8 percent in November 2010 to 20.7 percent in October 2016.

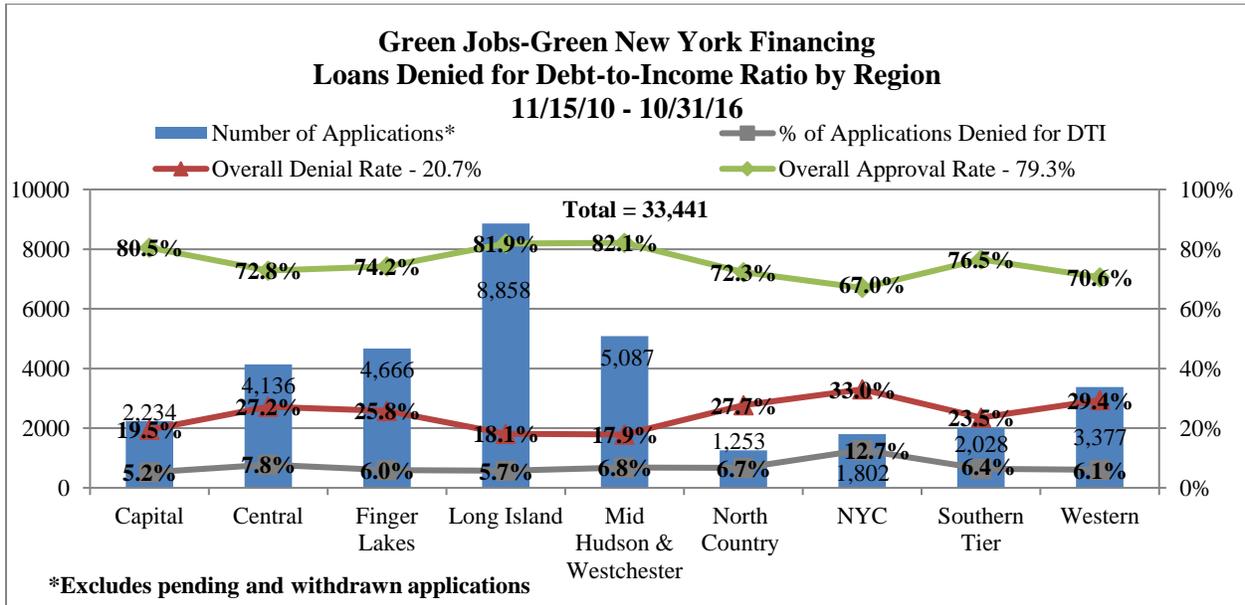
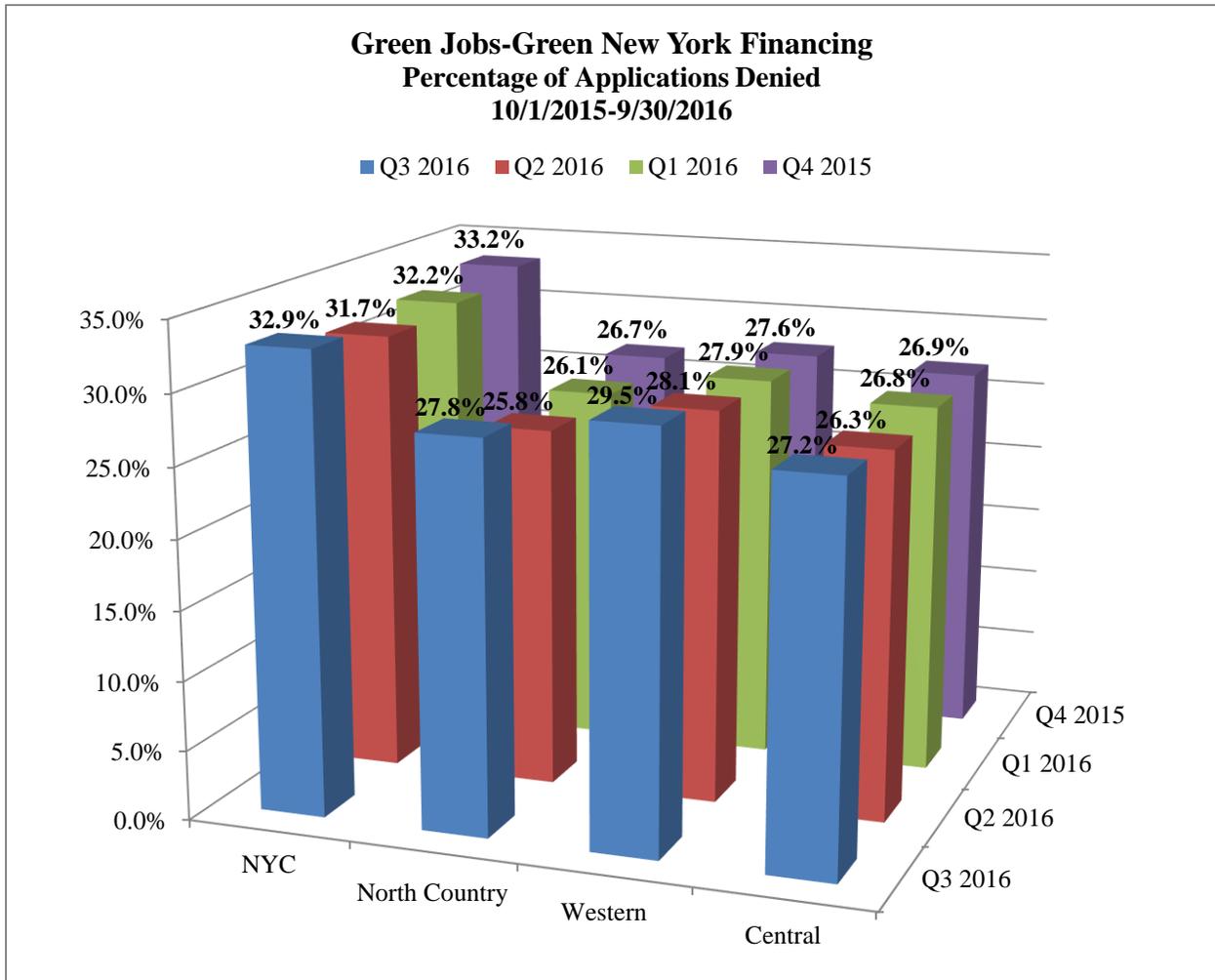


Figure 3-6. Green Jobs–Green New York Financing Percentage of Applications Denied, comparative by quarter.

Figure 3-6 illustrates comparative quarterly changes in loan denial rates. The four regions displayed represent those with the highest denial rates in the program.



3 Multifamily Energy Performance Portfolio

NYSERDA offers a portfolio of programs and incentives for owners, facility managers, developers, and condo/co-op boards of multifamily buildings with five or more units in New York State. NYSERDA’s programs make it easier to assess, fund, implement, and measure energy efficiency upgrades that improve building performance and save money.

4.1 Multifamily Energy Performance Assessments

Through October 2016, from the 333 approved assessment applications, 304 (91 percent) assessments have been completed.

Table 4-1. Multifamily Energy Performance Assessments.

Table 4-1 provides Multifamily Performance monthly and cumulative assessment figures.

Metric	October			Cumulative			
	Affordable Housing	Market Rate Housing	Monthly Total	Affordable Housing	Market Rate Housing	Program Total	Budget/ Goal
Received Assessment Applications	0	0	0	193	140	333	
Approved Assessment Applications	0	0	0	193	140	333	500
Assessment Funds Encumbered (\$)	0	0	0	2,342,960	1,120,987	3,463,947	
Assessment Funds Invoiced (\$)	0	0	0	1,291,100	\$694,930	1,986,030	3,000,000
Completed Assessments	0	0	0	170	134	304	400
Number of Projects Withdrawing from MPP after Assessment*	0	0	0	17	29	46	

*MPP Projects must achieve a minimum of 15 percent in energy savings. Projects may choose to proceed outside MPP. Some may choose smaller work scopes which will not achieve program standard and thus not be eligible for MPP and some may elect to access utility incentives. If energy efficiency projects are completed, building owners that have an authorized assessment would still be eligible to apply for GJGNY financing.

4.2 Multifamily Energy Performance Projects

Through October 2016, the Multifamily Energy Performance Program has completed 32,894 housing units with installed measures. Of those units with installed measures, 15,539 (47 percent) are associated with affordable housing.

Table 4-2. Multifamily Energy Performance Projects.

Table 4-2 provides Multifamily Performance monthly and cumulative project figures.

Metric	October			Cumulative		
	Affordable Housing	Market Rate Housing	Monthly Total	Affordable Housing	Market Rate Housing	Program Total
Projects in Pipeline*	0	0	0	193	140	333
Projects Contracted to have Measures Installed	0	0	0	193	140	333
Households Associated with Projects Contracted	0	0	0	32,785	32,817	65,602
Projects with Installed Measures (units)	0	0	0	15,539	17,355	32,894
kWh Savings of Installed Measures	0	0	0	13,810,878.6	4,103,148.2	17,914,027
MMBtu Savings of Installed Measures	0	0	0	198,280.1	177,455.9	375,736
Dollar Savings of Installed Measures	0	0	0	\$9,611,178.24	\$7,147,540.00	\$16,758,718.24
*Projects that receive GJGNY-supported assessments and/or financing may also receive incentives through the System Benefits Charge (SBC), Energy Efficiency Portfolio Standard (EEPS), Regional Green House Gas Initiative (RGGI), and/or utility programs, such that the projects' energy savings may not all be attributable solely to GJGNY.						

4.3 Multifamily Energy Performance Financing

As of October 2016, the Multifamily Performance Program has closed 22 loans with a total value of \$12,099,798. NYSERDA’s share of that total loan value is \$3,834,685.

Table 4-3. Multifamily Energy Performance Financing.

Table 4-3 provides Multifamily Performance monthly and cumulative financing figures.

Loan Status	October			Cumulative		
	Number	NYSERDA Share of Total Loan Value	Total Loan Value	Number	NYSERDA Share of Total Loan Value	Total Loan Value
Participation Agreements Approved	0	\$0	\$0	22	\$3,834,685	\$12,099,798
Loans Closed	0	\$0	\$0	22	\$3,834,685	\$12,099,798

5 Small Commercial Energy Efficiency Program

NYSERDA’s Small Commercial Energy Efficiency Program offers financial and technical assistance to help small businesses and not-for-profit organizations improve their energy efficiency and reduce their energy costs. This program offers free assessments to help identify economically viable improvements, (e.g. lighting, motors or thermostats) that may yield substantial annual energy savings and two low-interest loan options to finance energy efficiency projects. The first one is On-Bill Recovery Financing, which makes it possible for small businesses and nonprofits to use the savings on their energy bills to pay for their energy efficiency upgrades. The second one is the Participation Loan, where NYSERDA partners with lenders across New York State to help small businesses and nonprofits access low-interest financing for energy efficiency improvements.

The Small Commercial Energy Efficiency Program continues to improve processes and services that enable Program participants to increase project installations resulting from energy assessments. This includes improving the communication of energy assessment results to small business and nonprofit customers, providing additional follow-up services to support implementation, and increasing outreach to lenders in order to raise lender awareness and increase lender participation in Small Commercial Energy Efficiency Financing made available by GJGNY. In addition, eligible small business and not-for-profit customers participating in NYSERDA’s NY-Sun Solar PV Incentive Program can now access low-interest GJGNY financing to install solar PV systems of up to 200 kW.

5.1 Small Commercial Energy Efficiency Assessments

Through October 2016, the Small Commercial Energy Efficiency Program has received 4,409 assessment applications. Of those received applications, 4,070 (92 percent) have resulted in completed assessments.

Table 5-1. Small Commercial Energy Efficiency Assessments.

Table 5-1 provides Small Commercial Energy Efficiency monthly and cumulative assessment figures.

Metric	October			Program Cumulative		
	GJGNY	ARRA*	Monthly Total	GJGNY	ARRA*	Program Total
Received Assessment Applications	42	0	42	3,475	934	4,409
Completed Assessments	46	0	46	3,221	849	4,070

*The GJGNY Act of 2009 restricts the provision of GJGNY-funded energy assessments to small business and not-for-profit organizations with 10 employees or less. American Recovery and Reinvestment Act of 2009 (ARRA) funds were used for eligible small business and not-for-profit organizations that have more than ten employees. ARRA funding expired on September 30, 2013.

5.2 Small Commercial Energy Efficiency Projects

Through October 2016, the Small Commercial Energy Efficiency Program estimates 1,791 project completions as a result of GJGNY funded assessments.

Table 5-2. Small Commercial Energy Efficiency Projects.

Table 5-2 provides an estimate of Small Commercial Energy Efficiency monthly and cumulative project figures.

Metric	October	GJGNY Program Cumulative
Estimated Projects Completed*	20	1791
*The 2015 Small Commercial Energy Efficiency Program Impact Evaluation found that 44 percent of the energy savings recommended through program audits were reported to be implemented. Estimated projects completed are inclusive of those that used ARRA funds referenced in Table 5-1 above.		

5.3 Small Commercial Energy Efficiency Financing

Through October 2016, the Small Commercial Energy Efficiency Program has closed 52 loans with a total value of \$2,662,793. NYSERDA’s share of that total loan value is \$1,607,869.

Table 5-3. Small Commercial Energy Efficiency Financing.

Table 5-3 provides Small Commercial Energy Efficiency monthly and cumulative financing figures.

Loan Status	October			Program Cumulative		
	Number	NYSERDA Share of Total Loan Value	Total Loan Value**	Number	NYSERDA Share of Total Loan Value	Total Loan Value**
Applications Approved*						
Participation Loans	10	\$182,108	\$385,041	120	\$2,487,252	\$5,346,741
On-Bill Recovery	8	\$313,981	\$313,981	76	\$2,388,960	\$3,065,816
Loans Closed						
Participation Loans	0	\$0	\$0	27	\$868,998	\$1,844,416
On-Bill Recovery	0	\$0	\$44,485	25	\$738,871	\$818,377
Total	0	\$0	\$44,485	52	\$1,607,869	\$2,662,793
The Small Commercial Energy Efficiency Financing Program has 13 participating lenders.						
* Customer applications are assessed for both Participation Loan and On-Bill Recovery Loan eligibility prior to approval. Approved application values are inclusive of loans that have moved forward to closure.						
**The total loan value represents the total value of the loan issued by the lender to the borrower. The total loan value may include financing for non-energy efficiency projects. NYSERDA's share of the total loan value represents 50% of the total energy project cost or \$50,000, whichever is less.						

6 Evaluation

The overarching goals of Evaluation are to provide objective and credible information that supports optimum program operation and outcomes, as well as program accountability. Three major types of evaluation are implemented for the GJGNY program. Process evaluation provides information to support program operations by addressing program efficiency and effectiveness, satisfaction and barriers to participation, among other issues. Impact evaluation provides information to help understand actual program impact and improve energy impact estimates, including economic, environmental, and non-energy benefits; in doing so it supports program accountability. Market evaluation also provides information to support program operations and accountability by characterizing and assessing target markets for programs.

Evaluation Activities Currently Underway

One evaluation is nearing completion and another is nearing completion.

- NYSERDA has finalized the evaluation of the Home Performance with ENERGY STAR (HPwES) program. This multi-faceted assessment of the HPwES program included an impact evaluation that was designed to assess the energy-saving impacts associated with homeowners who received a GJGNY audit but did not pursue participation in the NYSERDA residential programs. The evaluation identified that quantifiable savings are being realized for Green Jobs-Green NY audit-only participants. These savings are achieved in homes receiving GJGNY audits but no further incentives to install energy saving measures are pursued thru NYSERDA residential programs. The Green Jobs Green New York Audit-only Impact Evaluation report is available on the NYSERDA website at <https://www.nyserdera.ny.gov/-/media/Files/Publications/PPSER/Program-Evaluation/2016ContractorReports/HPwES-IE-Report-Vol4.pdf>.
- An evaluation of the GJGNY Jobs impacts is nearing completion. This study is designed to update the GJGNY Jobs analysis that was conducted in 2013 and is being implemented using a two-phased approach. Phase 1 involves primary data collection via telephone and web-based surveys of various GJGNY market actors and the Phase 2 component of the evaluation includes an update to the 2013 macroeconomic assessment of indirect jobs. The Phase 1 report is nearing completion and Phase 2 analysis is underway. NYSERDA will strive to finalize the Phase 1 report in November 2016 and the Phase 2 report in December 2016.